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	Application No.	Applicant(s)	
Notice of Allowability	09/938,644	RUEGER, NEAL	
	Examiner	Art Unit	
	Anita K Alanko	1765	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313  1. This communication is responsive to 11/12/04 and 2/3/05 to	(OR REMAINS) CLOSED in this agong or other appropriate communication GHTS. This application is subject and MPEP 1308.	pplication. If not included on will be mailed in due course	. <b>THIS</b> e initiative
2. The allowed claim(s) is/are 1-66.			
3. The drawings filed on 10 December 2001 are accepted by	the Examiner.		
4. Acknowledgment is made of a claim for foreign priority un			
a) All b) Some* c) None of the:			
1. ☐ Certified copies of the priority documents have	been received.		
2. Certified copies of the priority documents have			
Copies of the certified copies of the priority doc	• • •		m the
International Bureau (PCT Rule 17.2(a)).		у пашена в образования по	
* Certified copies not received:			
Acknowledgment is made of a claim for domestic priority ur reference was included in the first sentence of the specifical.			cific
(a)   The translation of the foreign language provisional a	pplication has been received.		
6. Acknowledgment is made of a claim for domestic priority ur in the first sentence of the specification or in an Application		since a specific reference was	included
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of the sum of the			
7. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			OF
8. $\square$ CORRECTED DRAWINGS ( as "replacement sheets") mus	t be submitted.		
<ul><li>(a) ☐ including changes required by the Notice of Draftspers</li><li>1) ☐ hereto or 2) ☐ to Paper No</li></ul>	on's Patent Drawing Review ( PTC	⊦948) attached	
(b) ☐ including changes required by the proposed drawing of	orrection filed, which has b	een approved by the Examine	∍r.
(c) $\square$ including changes required by the attached Examiner's	Amendment / Comment or in the	Office action of Paper No	·
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the			of
9. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FOR TI			е
Attachment(s)			
1⊠ Notice of References Cited (PTO-892)	5☐ Notice of Informal P	atent Application (PTO-152)	
2☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	•	(PTO-413), Paper No. <u>0205</u> .	
3 Information Disclosure Statements (PTO-1449 or PTO/SB/08	), 7⊠ Examiner's Amendr	nent/Comment	
Paper No 4 Examiner's Comment Regarding Requirement for Deposit	8⊠ Examiner's Stateme	ent of Reasons for Allowance	
of Biological Material	9☐ Other .	THE STRUCTURE IN PRIORE INC.	

## **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ryan Flax on February 3, 2005.

The application has been amended as follows:

In the claims:

In claim 53, line 6, after "ions" insert

-- generating a magnetic field, said magnetic field being adjustable in intensity and direction; --

In claim 54, line 2, delete "generating a magnetic field within said chamber and"

The amendment to claim 54 is to delete redundancy since the claim that it depends from already cites that a magnetic filed is generated within the chamber.

The following is an examiner's statement of reasons for allowance: the prior art does not teach or suggest a method of forming a microstructure by micromachining, comprising

providing a substrate in a processing chamber, said substrate comprising an etchable material and having at least one contoured feature,

generating a stable ion-containing etching plasma in said processing chamber, said plasma etching the contoured feature of said substrate;

generating a magnetic field, said magnetic field being adjustable in intensity and direction;

applying an RF bias power to said substrate, said RF bias power being adjustable in intensity; and

controlling said etching of the contoured feature by creating an electron differential at said contoured feature by adjusting at least one of said magnetic field intensity, magnetic field direction, and RF bias power intensity during said etching, thereby forming a second contoured feature at said contoured feature, as in the context of claim 1.

The closest prior art, Moslehi, discloses etching of contours, but does not suggest to form a second contour at said first contour (as shown, for example in Figures 9-12A) by adjusting the magnetic field intensity, direction or RF bias power intensity during said etching, as in the context of claim 1.

The arguments by applicant are also persuasive in that although Yamagata discloses that a magnetic field can be generated in its apparatus, there is however no suggestion that the magnetic field is adjustable in intensity and direction, as in the context of claim 1.

The other art newly cited art in the application may adjust the intensity, direction and/or bias, however the adjustments are for achieving uniform etching, not to form a second contoured feature at a first contoured feature or for asymmetric etching as in the claimed invention.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anita K Alanko whose telephone number is 571-272-1458. The examiner can normally be reached on Mon-Fri until 2:30 pm (Wed until 11:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine Norton can be reached on 571-272-1465. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-1700.

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Anita K. Slawko
Anita K Alanko
Primary Examiner
Art Unit 1765